

Fig. 1

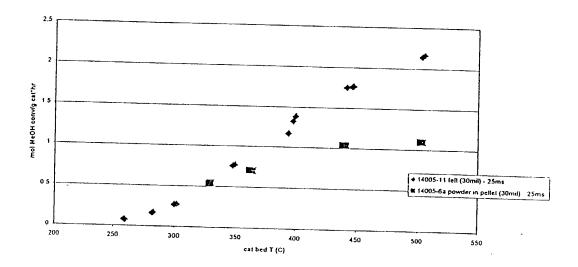


Fig. 2

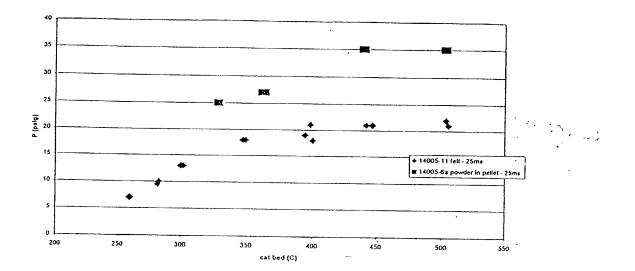


Fig. 3

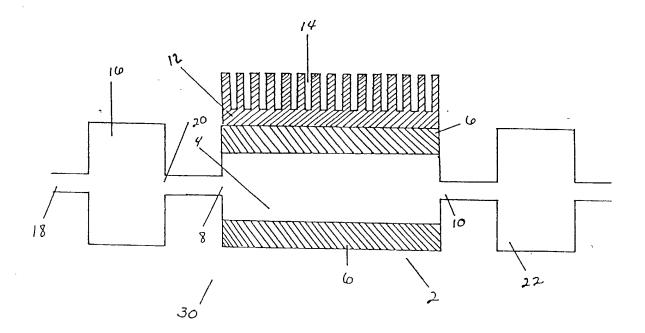


Fig. 4

## **Experimental Set-up**

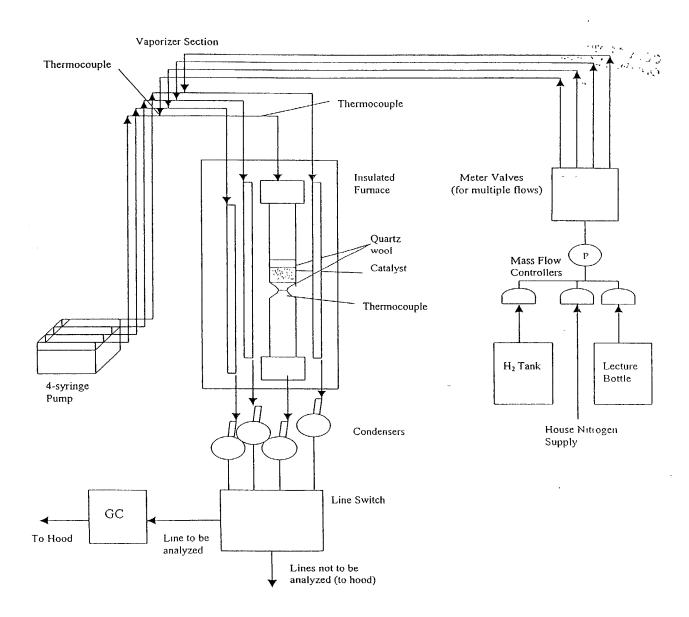
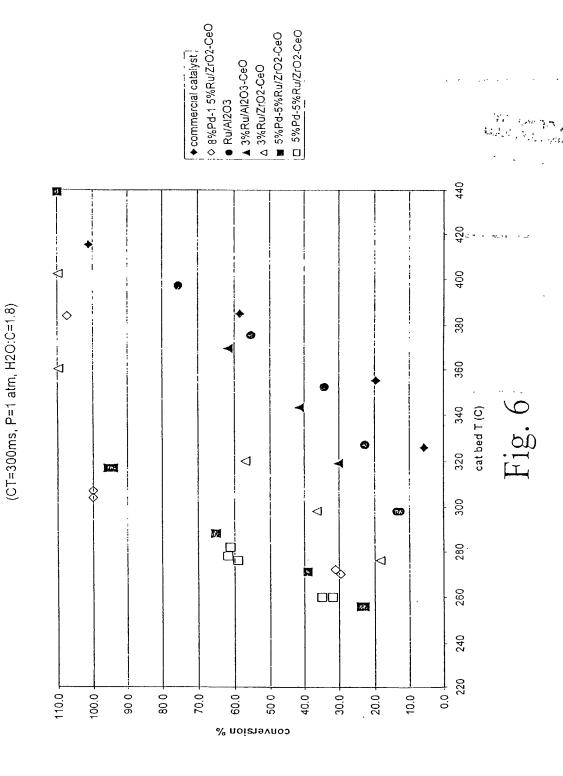
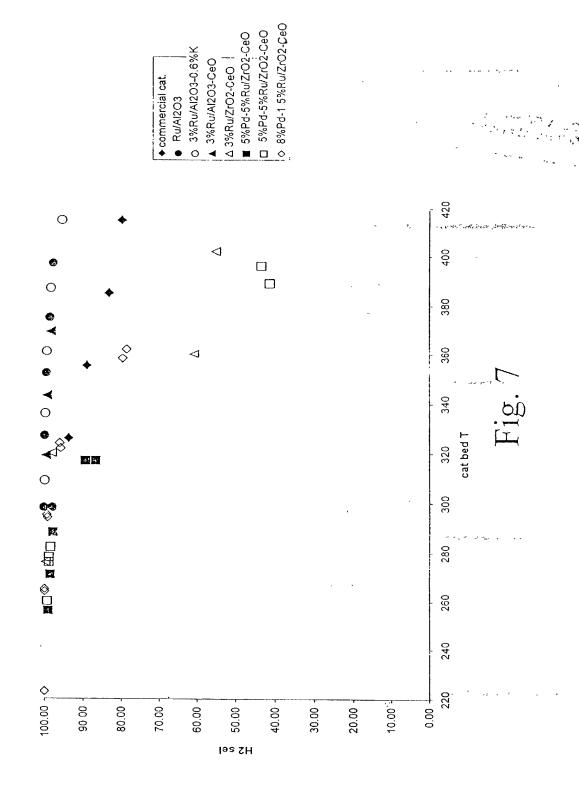


Fig. 5



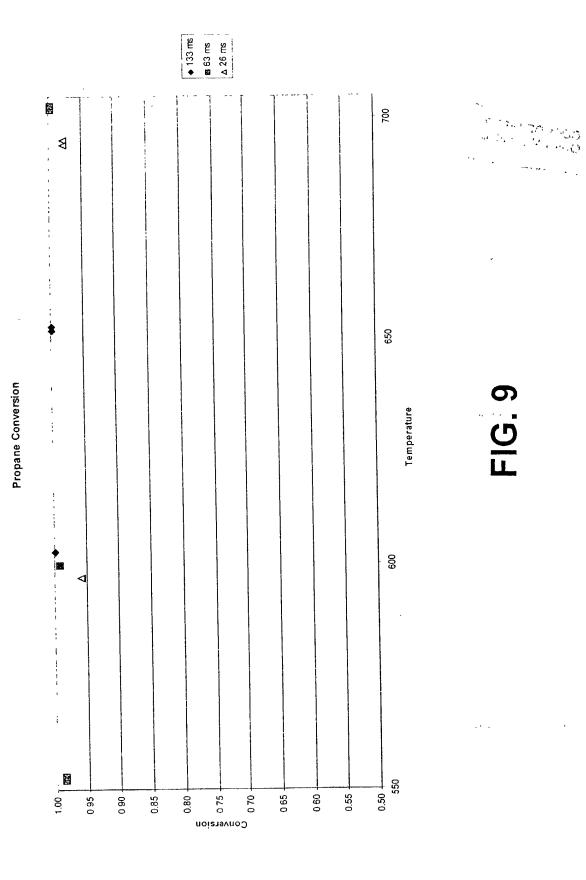
MeOH SR

MeOH SR - H2 (CT=300ms, P=1 atm, H20:C=1.8)

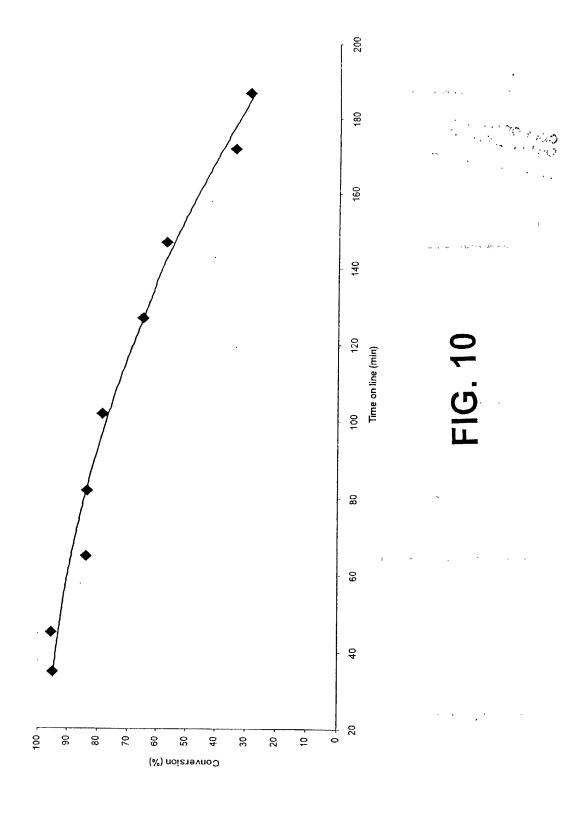


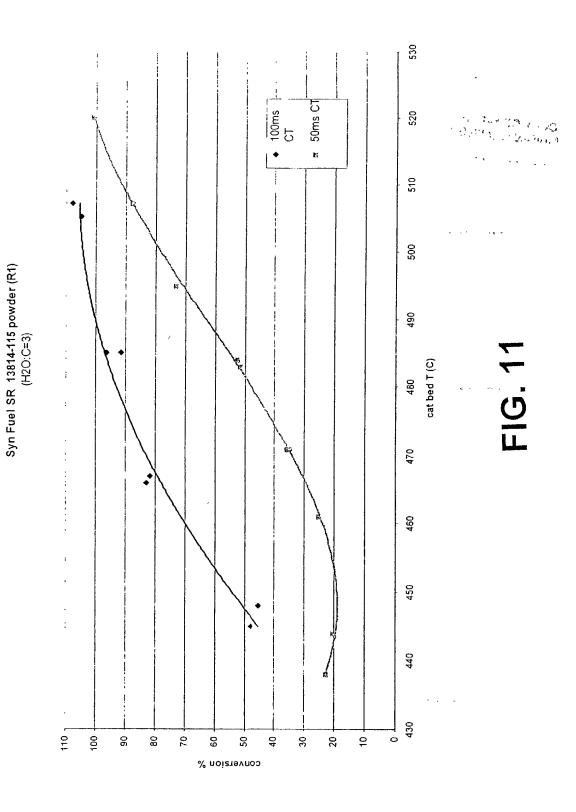
♦ 8%Pd-1 5%Ru/ZrO2-CeO ■ 5%Pd-5%Ru/ZrO2-CeO □ 5%Pd-5%Ru/ZrO2-CeO ▲ 3%Ru/Al2O3-CeO, ∆ 3%Ru/ZrO2-CeO commercial cat O Ru/AI203-K ▶ Ru/Al203 0 0-0 0 0 0 270 ♦ **♦** 0.00 100 001 70.00 80 00 10.00 90.00 60.00 50.00 40.00 30.00 20.00 CO sel

MeOH SR (CT=300ms, P= 1 atm, H20:C=1.8)



JP-8 SR ( Cat Bed Temperature 650C; 3:1 Steam to Carbon; 25 msec CT





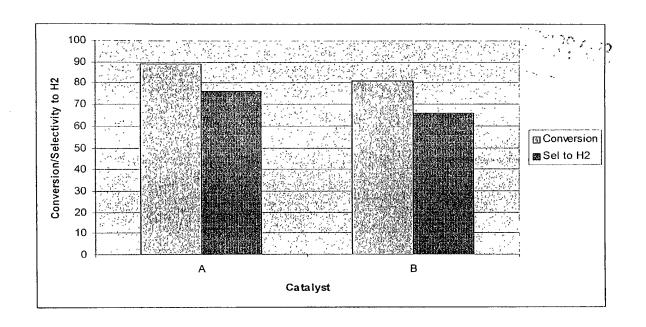


FIG. 12